

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

Before Pre-hyb

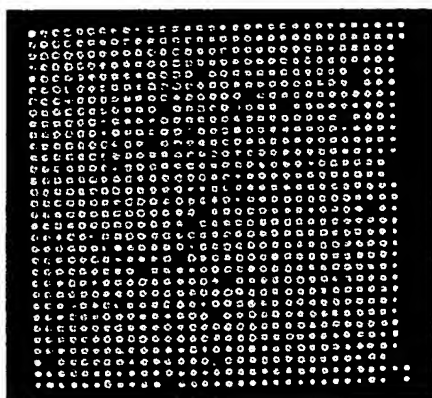


Fig. 1A

Post pre-hybe w/o NaBH4

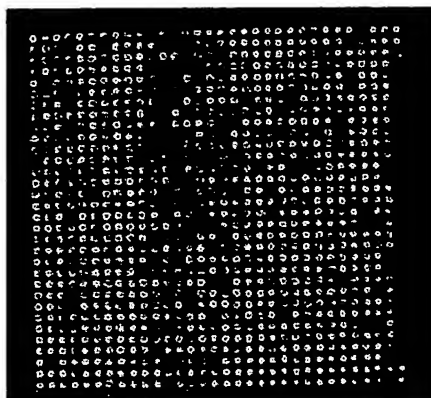


Fig. 1B

Post pre-hybe w/ NaBH4

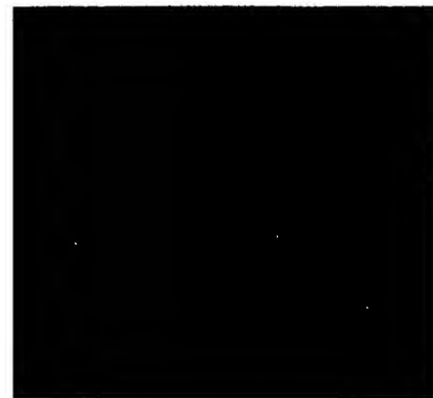


Fig. 1C

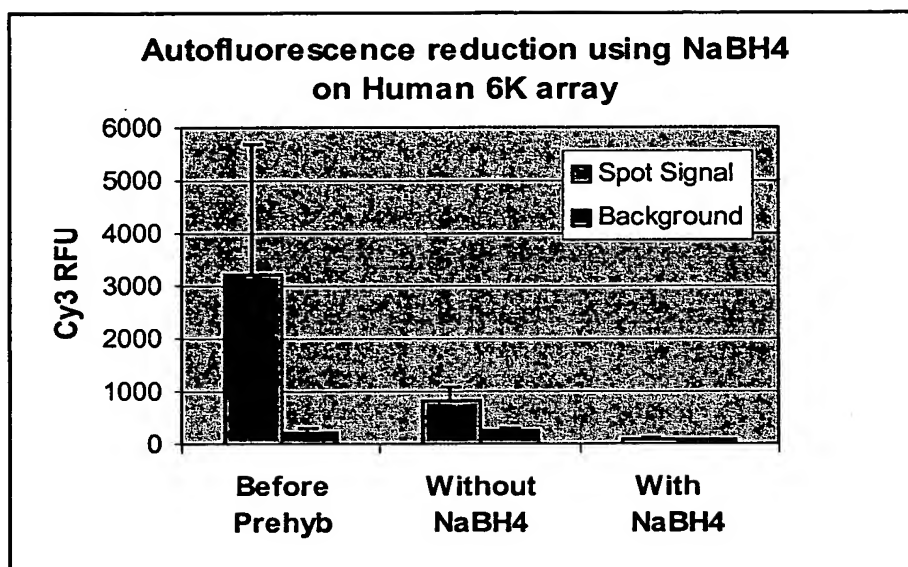
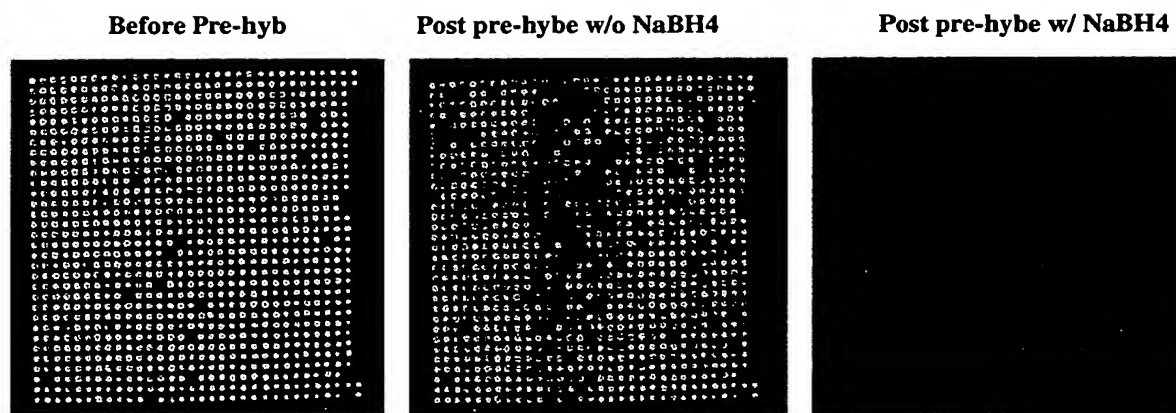


Fig. 2

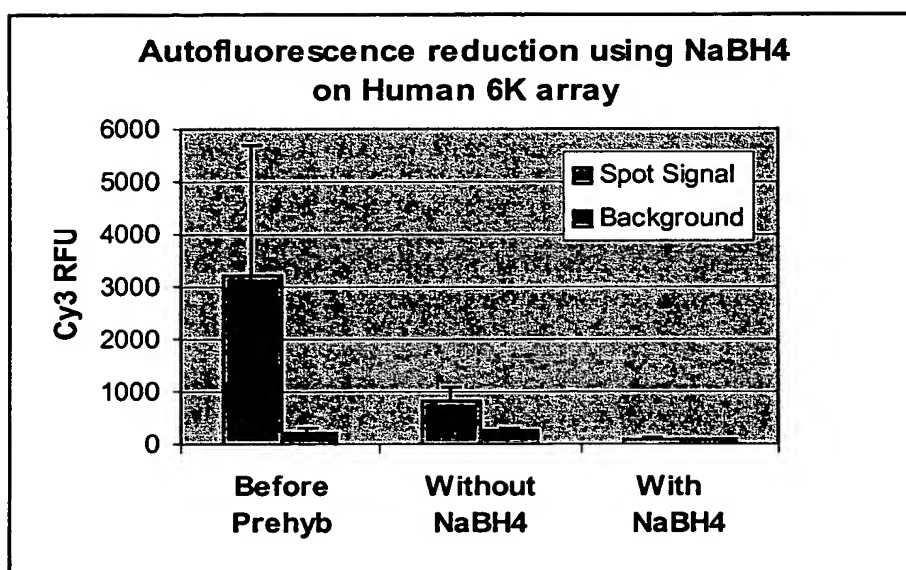
EST AVAILABLE COPY



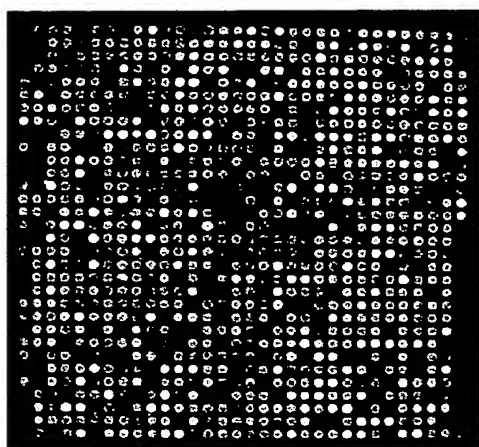
**Fig. 3A**

**Fig. 3B**

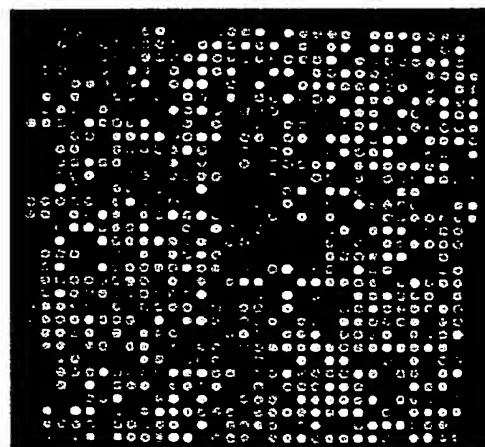
**Fig. 3C**



**Fig. 4**



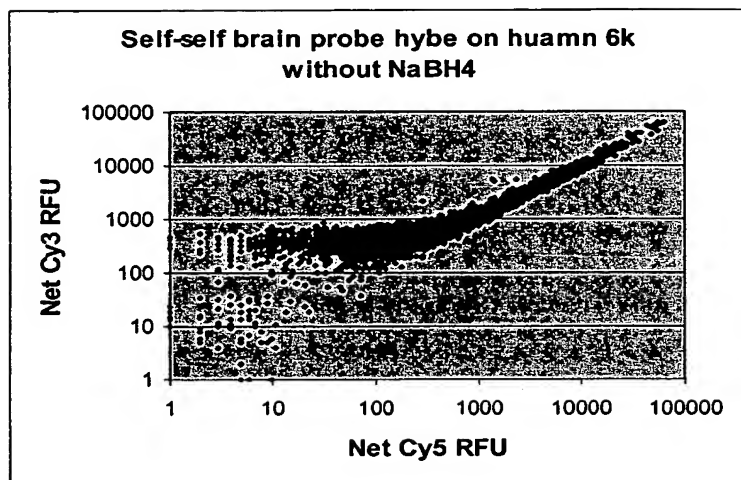
**Without NaBH4 Treatment**



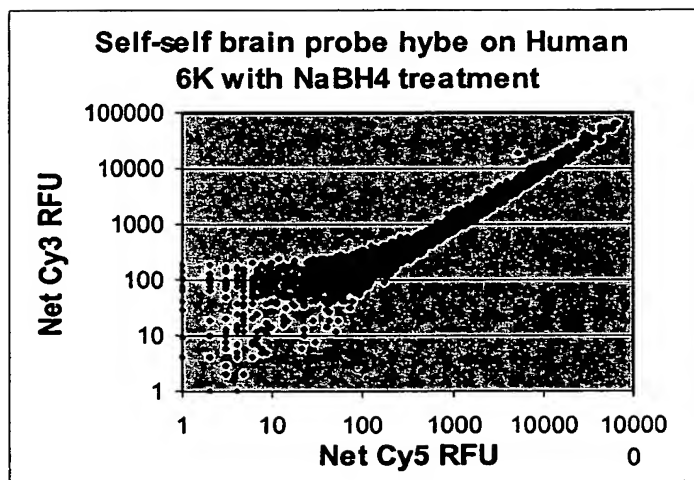
**With NaBH4 Treatment**

**Fig. 5A**

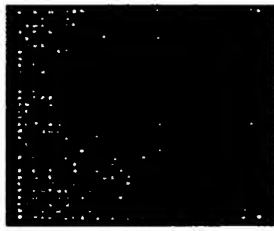
**Fig. 5B**



**Fig. 6A**



**Fig. 6B**



**Fig. 7A**



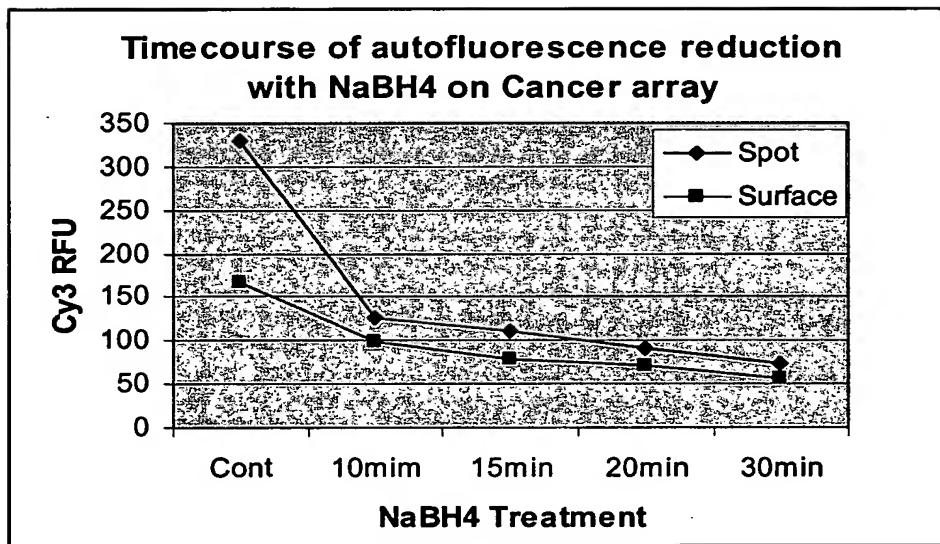
**Fig. 7B**



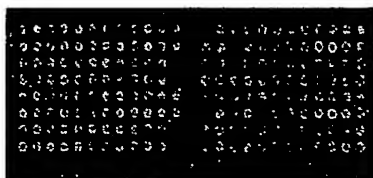
**Fig. 7C**



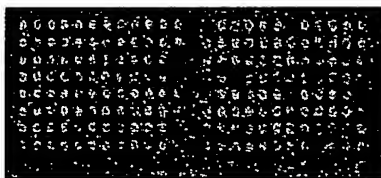
**Fig. 7D**



**Fig. 8**



**Fig. 9A**



**Fig. 9B**



**Fig. 9C**

**Before Pre-hyb**



**Fig 10A**

**Post pre-hybe  
w/o NaBH<sub>4</sub>**



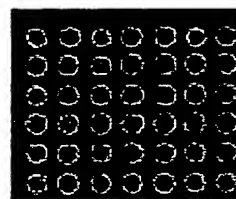
**Fig. 10B**

**Post pre-hybe  
w/ NaBH<sub>4</sub>**

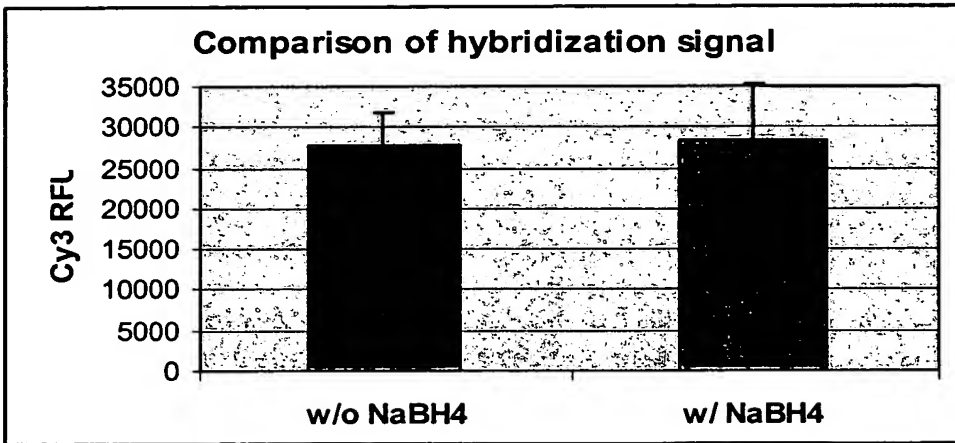


**Fig. 10C**

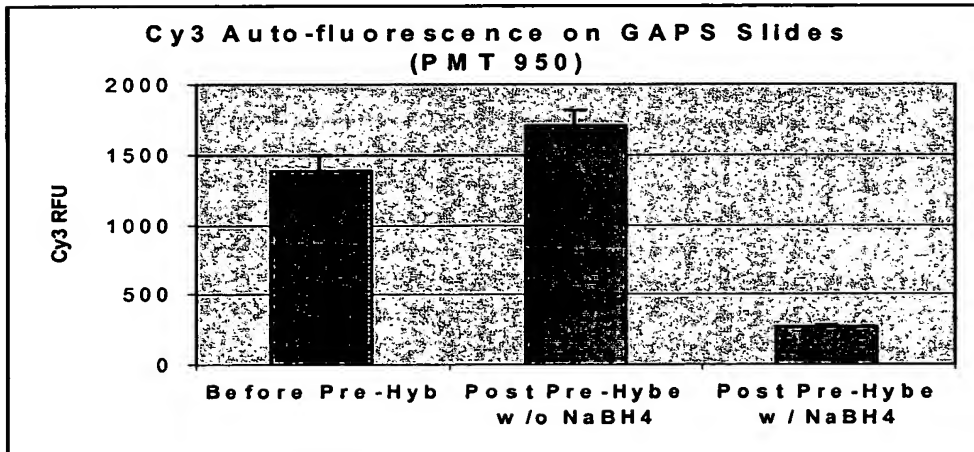
**NaBH<sub>4</sub> Treated GAPS Slide  
arraying and hybe**



**Fig. 10D**



**Fig. 11A**



**Fig. 11B**